# DrayTek

Your reliable networking solutions partner

DATABOOK 2019

DrayTek

Founded in 1997, DrayTek Corporation is a Taiwan-based manufacturer of networking equipment and management systems. From ISDN, VDSL to LTE, DrayTek has always been endeavouring to provide SMBs and professional with reliable, fast and secure connections. Our mission is to deliver high-quality and high-integrated networking services at an affordable price, and be your reliable networking solution partner.
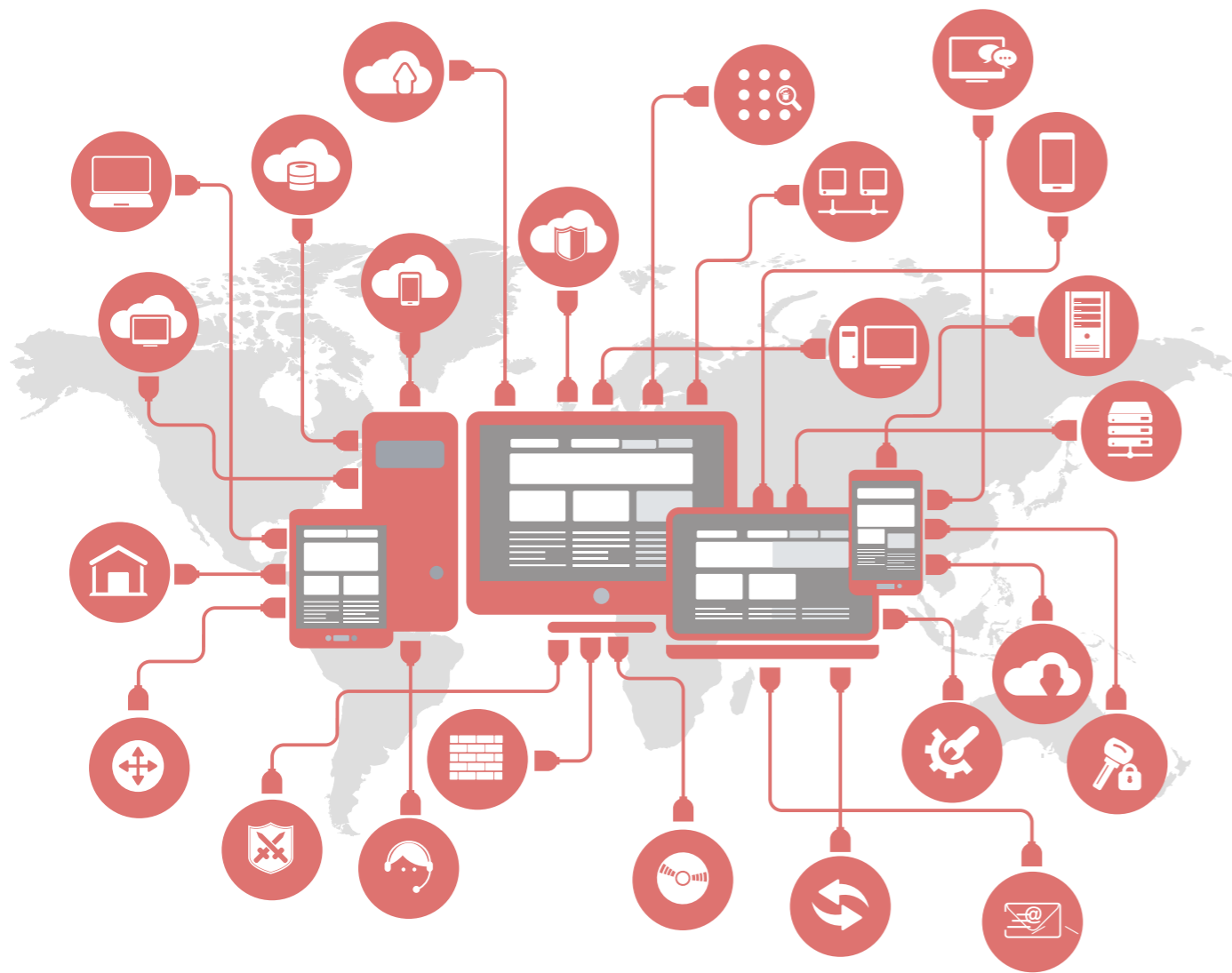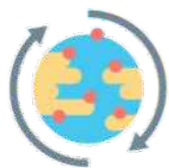
Contents

SSL VPN

Hotspot Web Portal

SSL VPN is the solution for a restrictive network environment. The Vigor SSL VPN Solution includes subscription-free client app on a variety of device, a free DrayDDNS hostname for server's access, and built-in server certificate to enhance connection security. It's the integrated SSL VPN solution perfect for small businesses.

Communicate with your guests with the captive portal solution included in your Vigor Router. Welcome the visitors, requires authentication, and display information through the custom captive portal page while offering hospitality Wi-Fi.

The VPN That Works Through Firewalls

SSL VPN uses TLS and SSL protocol, which is widely used by all the browsers for HTTPS connections. Therefore, even if there is a firewall, as long as HTTPS traffic is allowed, SSL VPN will be able to work through.

Built-in Server Certificate Creator

Verifying the server certificate can ensure the identity of the server and protect the VPN clients against man-in-the-middle attacks. Vigor Router can act as the rootCA to generate and sign the server certificate required for a more secure SSL connection.

Free Client APP

We provide the official client APP, SmartVPN, for Windows, macOS, iOS, and Android. They are free to download and no license required.

Flexible Client Authentication Options

You can either use the local user database on the router to authenticate the VPN clients or an external authentication server on the local network. The router is compliant with RADIUS, LDAP, and TACACS+.

Use a Domain Name for the Server

DrayTek dynamic DNS service offers each Vigor Router a hostname on the domain drayddns.com. It's free and only needs to renew once a year. With DrayDDNS, VPN clients are able to access to the router by a fixed hostname of your choice.

Various Login Methods

Hotspot Web Portal provides authentication methods including Skip-Login, Click-Through, Facebook Login, Google Login, SMS PIN, and account login with external RADIUS servers.

Presenting Landing Page

Redirect the hotspot guests to the company homepage, online surveys, any custom URLs, or display bulletin message before they can start to browse the Internet.
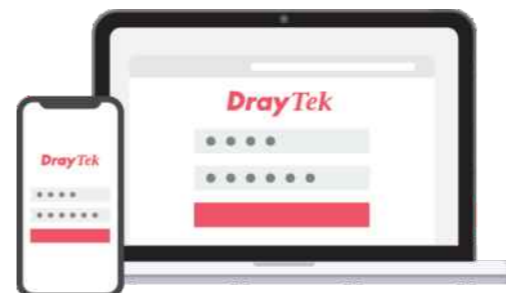
Custom Portal Page

The router provides templates for setting up the portal page quickly, but of course, you may customize every component, including browser title, background, Logo, messages, terms & conditions, and the buttons.

Server Bypassing

Whitelist rules can be set up for specific NAT Rules, traffic destined to particular domains, IP, or ports, and traffic sourced from specific local IP to bypass the captive portal.

Responsive Design

The portal page adopted responsive web design and will look good on smartphones, tablets, laptops, and desktops.

Per Subnet Hotspot Settings

Each router can have up to 4 profiles with different authentication and landing page settings, and you can apply each of them to only the selected LAN subnets or WLAN SSID.

Central AP Management

Use your router as a wireless controller for VigorAPs

One Management Portal for All

As the Internet gateway, Vigor Router offers a central connection to all the APs on its LAN. From the router, you can check if an AP is online, perform a firmware upgrade, save a configuration backup, or trigger a remote reboot. No need to logging into each device's management page anymore.
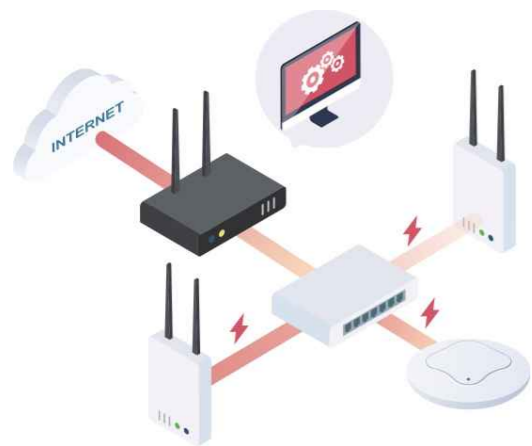
A Centralized View of all the APs

On the status monitoring page, the router presents a list of all the VigorAPs on its LAN, where you can see their IP address, operating channel, SSID of each radio, number of clients, and firmware version all in one page, and the AP offline can be easily spotted.
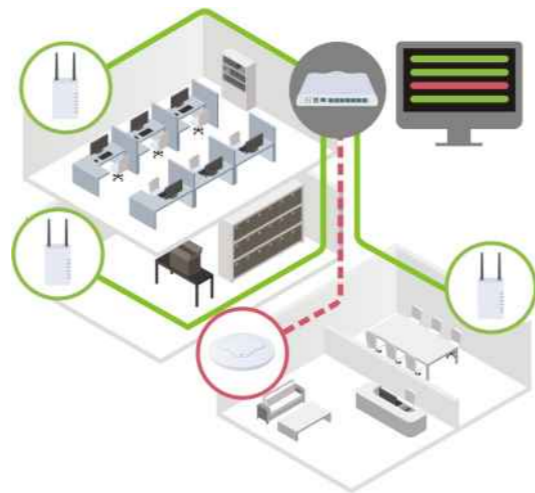
Automatic Provisioning of VigorAPs

You can create a wireless LAN profile on the router in advance, and let the router automatically push it to any VigorAP connecting to the router's LAN. Therefore, you can save the time and technical resource for setting up the access point when you need to add more of them to the network.
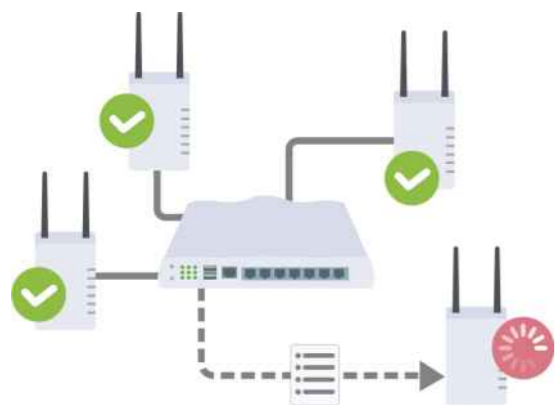
Wi-Fi Client Load Balancing

Keeping an AP from being overloaded and assure good Wi-Fi performance by applying a client limit or traffic limit to it. When the number of client or amount of traffic of a single AP reaches the threshold, make it disassociate the idle client, the client of the weakest signal, or stop accepting new clients.

Central Switch Management
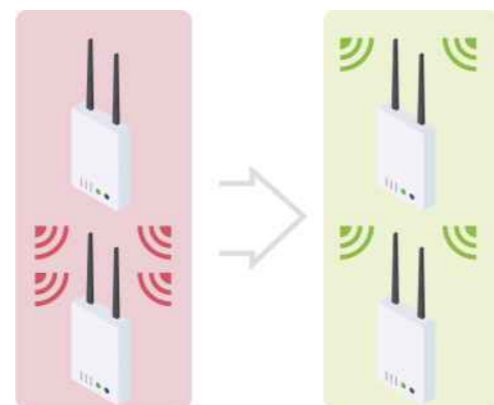
Use the router as the management portal of Vigor Switches

Get a Centralized Hierarchy View

On the status monitoring page, the router presents a hierarchy view of the VigorSwitches on its LAN, where you can easily find a network device in the network topology, check their IP address, and find out the physical Ethernet port it is connecting.

Quick VLAN Configuration

The router offers a simple method to plan the VLAN on the switch. It presents the VLANs available according to the VLAN configuration of the router, the port connecting to the router is automatically set to a trunk port, you only need to define PVID when a port is a member of multiple VLANs.

Reboot PoE Devices Remotely

The router's Web UI provides the options to shut down the ports of the switches immediately. For PoE switches, shutting down a port will also cut off the power supply; therefore, it allows you to power off the remote PoE devices, such as the wireless access point or IP cameras, directly from the router's management page. You can also schedule a port shutdown.

Maintaining All the Switches

From the router, Network Administrator can perform configuration backup for all the switches on the network at the same time, no need to log into the management page of each device one-by-one. Configuration restore, remote reboot, and factory reset can also be done from the router.
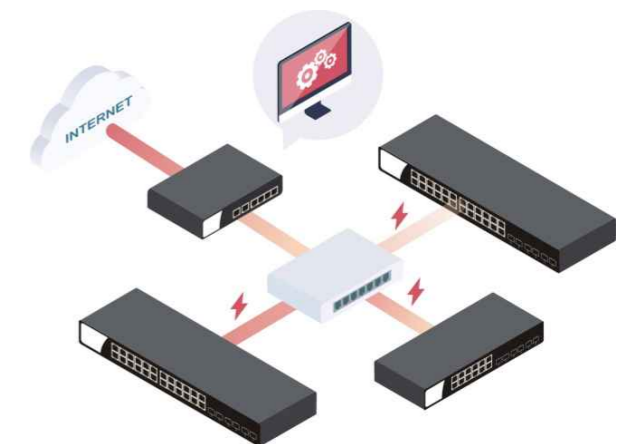
Vigor2133 Series
Gigabit Broadband Router

- Gigabit Ethernet WAN port
- 2 USB ports for 3G/4G backup or network storage
- 2 Simultaneous VPN Tunnels including maximum
  2 SSL VPN Tunnels
- SPI Firewall with content filtering by application,
  URL keyword, and web category
- Bandwidth Management & Intelligent VoIP QoS
  to optimize call quality
- Central Management for VigorAP
- Support DrayDDNS

	VoIP	WLAN	
	VoIP	2.4 GHz	5 GHz
Vigor2133 Vac	●	●	●
Vigor2133 ac		●	●
Vigor2133 n		●	
Vigor2133			

Vigor2926 Series
Dual-WAN Security Router

- 2 Gigabit Ethernet WAN Ports
- 2 USB ports for 3G/4G modem or extra storage
- Up to 4 WAN for Load Balancing or Failover
- 802.11ac Wave 2 dual-band wireless for speed
  up to 1.7 Gbps (ac/Vac model)
- 50 concurrent VPN tunnels including up to 25 SSL VPN
- SPI Firewall with content filtering by application,
  URL keyword, and web category
- Central Management for VigorAP & VigorSwitch
- Support DrayDDNS

	VoIP	WLAN	
	VoIP	2.4 GHz	5 GHz
Vigor2926 Vac	●	●	●
Vigor2926 ac		●	●
Vigor2926 n		●	
Vigor2926			

Vigor2915 Series
Dual-WAN Security Router

- Dual-WAN for load-balancing or redundancy
- 1 USB port for 3G/4G WAN, printer, or network storage
- 16 concurrent VPN tunnels including up to 8 SSL VPN
- Bandwidth management & QoS for the best VoIP quality
- SPI Firewall with Content Filtering by Apps,
  URL keyword, and web category
- IPv6 Support
- Support DrayDDNS

	WLAN	
	2.4 GHz	5 GHz
Vigor2915 ac	●	●
Vigor2915		

Vigor2952 Series
Dual-WAN Security Firewall

- Dual Gigabit Ethernet WAN
- 2 USB ports for 3G/4G celluar modem,
  network storage, or USB temperature sensor
- Up to 4 WAN for load-balancing and failover
- 200 simultaneous VPN tunnels including up to
  50 SSL VPN
- High Availability (Hardware Redundancy) support
- Central Management for VigorAP & VigorSwitch
- PoE+ capable ports available on Vigor2952P/Pn
- Support DrayDDNS

	PoE	WLAN
Vigor2952 Pn	●	●
Vigor2952 P	●	
Vigor2952 n		●
Vigor2952		

Vigor2960
Dual-WAN Security Firewall

- 2 Gigabit Ethernet Load Balancing WAN ports
- 4 Gigabit Ethernet LAN ports
- 2 USB port for 3G/4G Backup (or Load Balancing), printer, or temperature sensor
- 200 simultaneous VPN tunnels including up to 50 SSL VPN
- Support High Availability (hardware redundancy)
- Support PPPoE server with quota policy and MAC address filter
- Flexible Firewall, Content Filtering, and Bandwidth Management policies
- Central Management for VigorAP & VigorSwitch
- Support DrayDDNS

Vigor3220 Series
Multi-WAN Security Router

- 4 Gigabit WAN Port for load balancing or failover
- 2 USB for 3G/4G USB mode, printer, network storage or temperature sensor
- 200 simultaneous VPN tunnels including up to 50 SSL VPN
- IPv6 Support on WAN & LAN
- SPI Firewall with content filtering by application, URL keyword, and web category
- Central Management for VigorAP and VigorSwitch
- Support DrayDDNS

	WLAN
Vigor3220n	●
Vigor3220	

Vigor300B
Multi-WAN Load Balancer

- 4 Gigabit Ethernet WAN for load balancing or failover
- 2 Gigabit LAN ports for facilitating business application
- 2 USB port for 3G/4G Backup (or Load Balancing), printer, or temperature sensor
- SPI Firewall with content filtering by application, URL keyword, and web category
- Support PPPoE server with quota policy and MAC address filter
- Bandwidth Management with 4-level priority QoS for both inbound and outbound traffic
- Central Management for VigorAP and VigorSwitch
- Support DrayDDNS

Vigor3900
Multi-WAN Security Appliance

- 4 Gigabit Ethernet WAN ports + 1 SFP Fiber WAN
- 2 Gigabit Ethernet LAN ports + 1 SFP Fiber LAN
- 2 USB port for 3G/4G Backup (or Load Balancing), printer, or temperature sensor
- 500 simultaneous VPN tunnels including up to 100 SSL VPN
- Outbound & Inbound Load Balancing
- Support High Availability (hardware redundancy)
- Support PPPoE server with quota policy and MAC address filter
- Flexible Firewall, Content Filtering, and Bandwidth Management policies
- Central Management for VigorAP & VigorSwitch
- Support DrayDDNS

Vigor130
VDSL2/ADSL2/2+ Modem

- A router with VDSL2/ADSL2+ modem built-in
- Multi-PVC for triple-play applications
- Support VDSL2 Vectoring
- Integrated Firewall with URL keyword and web feature filtering

Vigor160 Series
35b/G.Fast Modem

- Support G.Fast (Vigor166)
- Support VDSL2 35b Super Vectoring/ADSL2+
- Multi-PVC for triple-play applications

	35b	G.Fast
Vigor165	●	
Vigor166	●	●

VigorNIC 132 Series
VDSL2/ADSL2+ PCI-E Card

- VDSL2/ADSL2+ modem/router on PCI-E card
- Equip with Ethernet/Fiber WAN 2 for failover
- Up to 5 PVC for triple-play applications
- Can be act as a bridge or a fully functioning router
- Built-in Stateful Firewall with URL Keyword Filtering
- Supports Windows 7/8/8.1/10 & Linux

	DSL	Fiber	Copper
VigorNIC 132F	●	●	
VigorNIC 132	●		●

Vigor2762 Series
ADSL2/2+ & VDSL2 Router

- VDSL2/ADSL2+ Modem/Router
- 4 Gigabit Ethernet LAN Port, LAN port 4 can be configured as WAN
- 2 USB ports for 3G/4G modem or extra storage
- 2 Simultaneous VPN Tunnels including Maximum 2 SSL VPN Tunnels
- SPI Firewall with Content Filtering
- Bandwidth Management & Intelligent VoIP QoS to optimize call quality
- Support DrayDDNS

		WLAN	
	VoIP	2.4 GHz	5 GHz
Vigor2762 Vac	●	●	●
Vigor2762 ac		●	●
Vigor2762 n		●	
Vigor2762			

Vigor2765/2766 Series
35b/G.Fast Security Router

- Support G.Fast (Vigor2766 series)
- Support VDSL2 35b Super Vectoring/ADSL2+
- Robust Firewall & Security for Internet activities
- 2 VPN connections for remote access and LAN-to-LAN
- Bandwidth Management with intelligent VoIP QoS
- Support DrayDDNS

	35b	G.Fast	WLAN 2.4 GHz	5 GHz
Vigor2766 ac	●	●	●	●
Vigor2766	●	●		
Vigor2765 ac	●		●	●
Vigor2765	●			

Vigor2865/2866 Series
35b/G.Fast Firewall Security Router

- Support G.Fast (Vigor2866 series)
- Support VDSL2 35b Super Vectoring/ADSL2+
- Dual-band 4x4 MU-MIMO 802.11ac Wave 2 for speed up to 1733Mbps + 800Mbps (ac model)
- 2 USB ports for 3G/4G modem or extra storage
- 32 Simultaneous VPN Tunnels
- SPI Firewall with Content Filtering
- Central Management for VigorAP & VigorSwitch
- Support DrayDDNS

	35b	G.Fast	WLAN 2.4 GHz	5 GHz
Vigor2866 ac	●	●	●	●
Vigor2866	●	●		
Vigor2865 ac	●		●	●
Vigor2865	●			

Vigor2862 Series
VDSL2 Security Firewall

- VDSL2/ADSL2+ Router
- Up to 4 WAN for Load Balancing or Failover
- 802.11ac Wave 2 dual-band wireless for speed up to 1.7 Gbps (ac model)
- 32 Simultaneous VPN Tunnels
- SPI Firewall with Content Filtering
- Central Management for VigorAP & VigorSwitch
- Support DrayDDNS

	VDSL Bonding	WLAN 2.4GHz	5GHz	VoIP
Vigor2862 Vac		●	●	●
Vigor2862 ac		●	●	
Vigor2862 n		●		
Vigor2862 Bn	●	●		
Vigor2862 B	●			
Vigor2862				

Seamless Connectivity
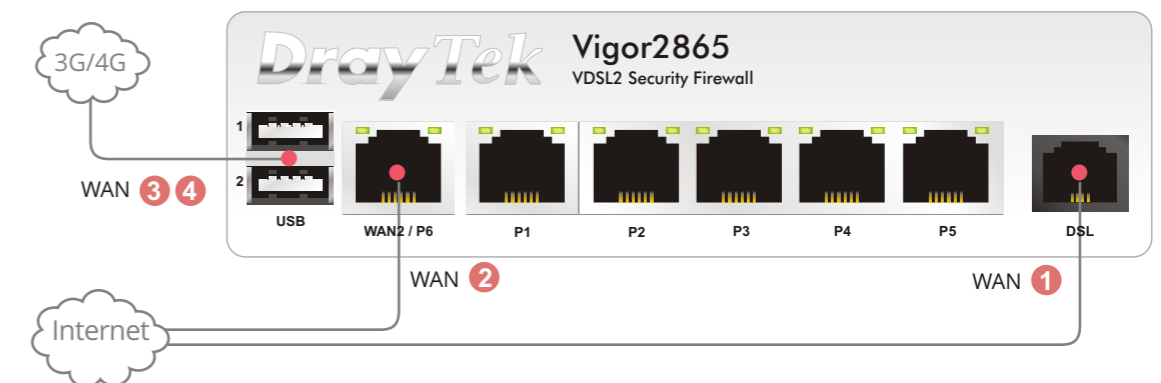
Load Balance Usage

① + ② + ③ + ④
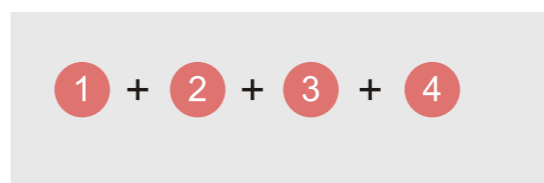
Load Balance with Backup Usage

① + ③   OR   ① + ②
② + ④   ③ + ④
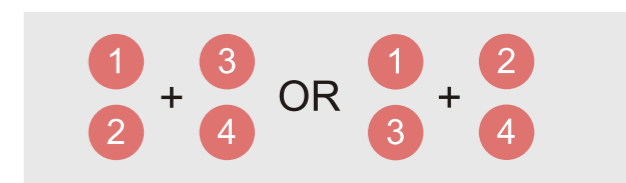
VigorLTE 200 Series
LTE Router

- Dual SIM for 3G/4G/LTE Cellular Connectivity with speed up to 150 Mbps
- Robust Firewall & Security for Internet activities
- 2 VPN connections for remote access and LAN-to-LAN
- Bandwidth Management with intelligent VoIP QoS
- Support DrayDDNS

	WLAN
VigorLTE 200n	●
VigorLTE 200	

Vigor2862 LTE Series
LTE Router

- SIM-base, 3G/4G LTE Router, CAT 4 up to 150Mpbs connection speed
- VDSL2/ADSL2+ support
- 802.11ac Wave 2 dual-band wireless for speed up to 1.7Gbps (Lac model)
- 1 Ethernet WAN for Load Balancing or Failover
- 1 USB port for 3G/4G modem or extra storage
- 32 Simultaneous VPN Tunnels
- SPI Firewall with Content Filtering
- Central Management for VigorAP & VigorSwitch
- Support DrayDDNS

	WLAN	
	2.4GHz	5GHz
Vigor2862Lac	●	●
Vigor2862Ln	●	
Vigor2862L		

Vigor2620 LTE Series
LTE Router

- Dual SIM for 3G/4G/LTE Cellular Connectivity with speed up to 150 Mbps
- VDSL2/ADSL2+ Modem Router
- Robust Firewall & Security for Internet activities
- 2 VPN connections for remote access and LAN-to-LAN
- Bandwidth Management with intelligent VoIP QoS
- Support DrayDDNS

	DSL	WLAN
Vigor2620Ln	●	●
Vigor2620L	●	

Vigor2865/2866 LTE Series
LTE Router

- SIM-base, 3G/4G LTE Router, CAT 6 up to 300Mpbs connection speed
- Support G.Fast (Vigor2866 LTE series)
- Support VDSL2 35b Super Vectoring/ADSL2+
- Dual-band 4x4 MU-MIMO 802.11ac Wave 2 for speed up to 1733Mbps + 800Mbps (ac model)
- 1 USB port for 3G/4G modem or extra storage
- 32 Simultaneous VPN Tunnels
- SPI Firewall with Content Filtering
- Central Management for VigorAP & VigorSwitch
- Support DrayDDNS

	35b	G.Fast	WLAN	
			2.4 GHz	5 GHz
Vigor2866Lac	●	●	●	●
Vigor2866L	●	●		
Vigor2865Lac	●		●	●
Vigor2865L	●			

Vigor2926 LTE Series
LTE Router

- SIM-base, 3G/4G LTE Router, CAT 4 up to 150Mpbs connection speed
- 2 Ethernet WAN for Load Balancing or Failover
- Built-in 802.11ac Wave 2 dual-band Wi-fI, delivers speed up to 1.7Gbps (Lac model)
- 1 USB port for 3G/4G modem or extra storage
- 50 Simultaneous VPN Tunnels
- SPI Firewall with Content Filtering by URL Keyword, Category, and Apps
- Central Management for VigorAP & VigorSwitch
- Support DrayDDNS

| | WLAN | |
	2.4GHz	5GHz
Vigor2926Lac	●	●
Vigor2926Ln	●	
Vigor2926L		

VigorAP 710
802.11n Access Point

- 802.11n compliant with 2x2 MIMO
- Delivers data rate of up to 300 Mbps
- 1 x 10/100 Base-T LAN port
- Up to 4 SSIDs with unique Subnet, VLAN, Access Control, Bandwidth Limit settings
- Built-in RADIUS server for 802.1x authentication
- AirTime Fairness support
- Improve roaming experience by Fast Roaming & AP-assisted Roaming
- Provide multiple operating modes - AP, Bridge, WDS, and Universal Repeater
- Support both stand-alone and controller-based setup

Fiber

Vigor2133FVac

- Fiber Slot WAN port
- Fully supports VLAN for Triple-Play applications
- Built-in VoIP function with 2 RJ-11 FXS ports
- 2 concurrent VPN tunnels for remote access or LAN-to-LAN connections
- SPI Firewall with content filtering by application, URL keyword, and web category
- Bandwidth Management & Intelligent VoIP QoS to optimize call quality
- Support DrayDDNS

The Vigor Fiber Router Series is only for project and please check with the local authorized resellers for availability.

VigorAP 810
802.11n Access Point

- 802.11n compliant with 2x2 MIMO
- Delivers data rate of up to 300 Mbps
- 5-port Fast Ethernet Switch including 1 PoE-capable port
- 1 USB 2.0 for printer or USB thermometer
- 2 LAN Subnet, up to 4 SSIDs with unique Subnet, VLAN, Access Control, Bandwidth Limit settings
- Built-in RADIUS server for 802.1x authentication
- AirTime Fairness support
- Improve roaming experience by Fast Roaming & AP-assisted Roaming
- Provide multiple operating modes - AP, Bridge, WDS, and Universal Repeater
- Support both stand-alone and controller-based setup

VigorAP 903

11ac Dual-band Wireless Mesh AP

- Concurrent dual band
- Support 2x2 11ac WAVE2
- Data rate up to 867Mbps in 5GHz and up to 400Mbps in 2.4GHz
- 5 GbE port (including 1 PoE) + 1 USB Port
- Plug-n-Play Meshing
- Airtime Fairness
- Band Steering
- AP-Assisted Roaming
- Built-in RADIUS server for 802.1x authentication
- Compliant with Central AP Management of Vigor Router and VigorACS

VigorAP 920R Series

Ruggedized Outdoor AP

- IP 67-rated enclosure for outdoor usage, water-proof and dust-resistance
- 2.4/5GHz Dual band WiFi with 2x2 MIMO
- Secure VLAN/SSID grouping, up to128 WLAN clients manageable per Radio
- IEEE 802.3az/Energy Efficient Ethernet PoE port
- Compatible with AP Management for centralized management
- High RF power for long-distance and expansive coverage
- Built-in 5GHz Direction Antenna selectable (920RPD)

	PoE Out	Directional Antenna
VigorAP 920RPD	●	●
VigorAP 920R		

VigorAP 910C

802.11ac Ceiling-mount Access Point

- Concurrent Dual-band 802.11ac with 2x2 MIMO
- Delivers data rate of up to 867 Mbps in the 5GHz band and 300 Mbps in the 2.4GHz band
- 1 x PoE-capable Gigabit Ethernet port
- 8 SSIDs with unique VLAN setting, Access Control, and Bandwidth Limit policies
- Features AirTime Fairness and Band Steering for better Wi-Fi user experience
- Built-in RADIUS server for 802.1x authentication
- Improve roaming experience by Fast Roaming & AP-assisted Roaming
- Support both stand-alone and controller-based setup

Point to point

Up to 3 KMs

VigorAP 920RPD
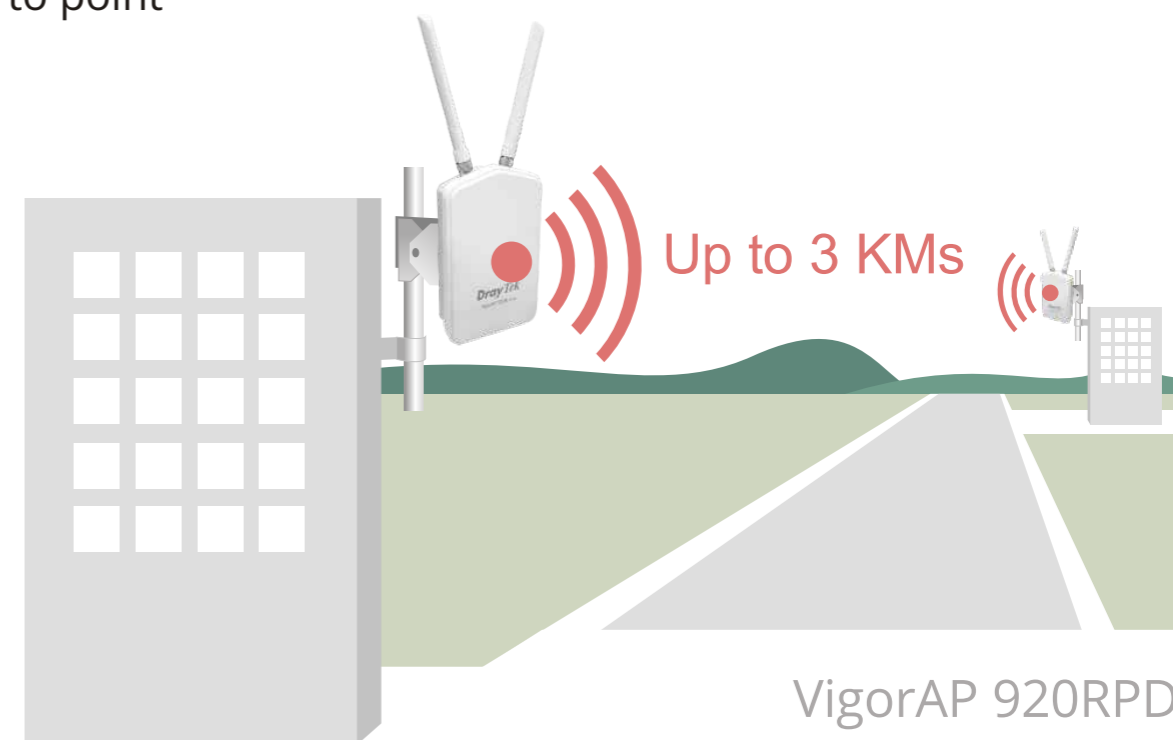
VigorSwitch G1080
Smart Lite Gigabit Switch

- Simple and Easy to use network switch
- 8 Gigabit capable ports
- Support HTTP Web Management
- QoS for application traffic prioritization
- Support 8 VLANS & 1 Trunking Group
- Power saving by 802.3az Energy Efficient Ethernet
- Support Loop Detection & Prevention

VigorSwitch P1092
PoE Smart Lite Gigabit Switch

- 8 Gigabit PoE+ capable ports
- 2 Gigabit SFP ports
- 110-watt PoE power budget
- QoS with 4 priority queues and rate limiting
- Support 10 VLANS & 2 Trunking Groups
- Support Loop Detection & Prevention

VigorSwitch G1280/P1280
Web Smart Gigabit Switch

- 24 Gigabit capable ports & 4 combo Gigabit SFP/RJ-45 ports
- 24 Gigabit PoE+ capable ports with PoE power budget uo to 340 watts (P1280)
- Auto Voice VLAN for easy VoIP deployment and best call quality
- QoS with 8 priority queues and rate limiting
- Dual-stack IPv4/IPv6 support
- Compliant with Switch Management of Vigor Router

QoS ensures important traffic has high priority

High Priority Ports
• VoIP/Video

IP Phone   IPTV

General Ports
• Internet

PC   NB   Printer
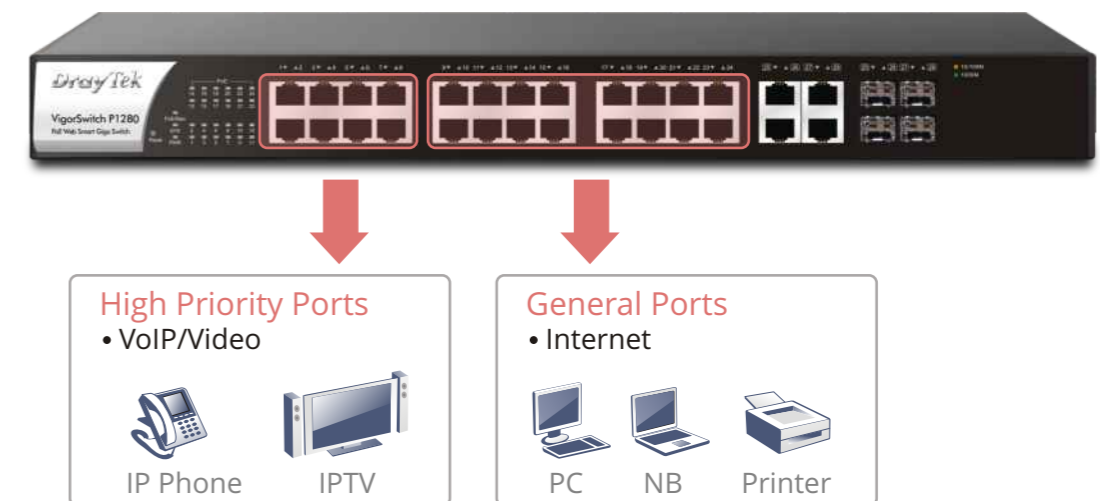
VigorSwitch P2121
PoE L2 Managed Gigabit Switch

- 8 Gigabit PoE+ capable ports with PoE power budget up to 140 watts
- 4 Gigabit SFP/RJ-45 combo ports for uplink
- VLAN configuration based on 802.1q tag, MAC address, and protocol
- Auto Voice VLAN and Auto Surveillance VLAN to optimize call and video quality
- Secure Local Network by 802.1x Port Security, ACL, IP Source Guard and DHCP Snooping
- Support IPv6 with MLD Snooping, IPv6 ACL, and IPv6 DNS Resolver
- Authentication by local database, multiple RADIUS, and TACACS+ servers
- IEEE 802.3az (Energy-Efficient Ethernet) Compliant
- Support SNMP v1/v2c/v3, RMON, and Syslog for network monitoring
- Compliant with Switch Management of Vigor Router

VigorSwitch G2280/P2280
L2 Managed Gigabit Switch

- 24 Gigabit Ethernet ports + 4 Gigabit SFP/RJ-45 combo ports
- 24 Gigabit PoE+ capable ports with PoE power budget uo to 380 watts (P2280)
- VLAN configuration based on 802.1q tag, MAC address, and protocol
- Auto Voice VLAN and Auto Surveillance VLAN to optimize call and video quality
- Secure Local Network by 802.1x Port Security, ACL, IP Source Guard and DHCP Snooping
- Support IPv6 with MLD Snooping, IPv6 ACL, and IPv6 DNS Resolver
- Authentication by local database, multiple RADIUS, and TACACS+ servers
- IEEE 802.3az (Energy-Efficient Ethernet) Compliant
- Support SNMP v1/v2c/v3, RMON, and Syslog for network monitoring
- Compliant with Switch Management of Vigor Router

VigorSwitch G2500/P2500
L2 Managed Gigabit Switch

- 44 Gigabit capable ports, 4 combo Gigabit SFP/RJ-45 ports & 2 SFP Ports
- 44 Gigabit PoE+ capable ports with PoE power budget uo to 405 watts (P2500)
- VLAN configuration based on 802.1q tag, MAC address, and protocol
- Auto Voice VLAN and Auto Surveillance VLAN to optimize call and video quality
- Secure Local Network by 802.1x Port Security, ACL, IP Source Guard and DHCP Snooping
- Support IPv6 with MLD Snooping, IPv6 ACL, and IPv6 DNS Resolver
- Authentication by local database, multiple RADIUS, and TACACS+ servers
- IEEE 802.3az (Energy-Efficient Ethernet) Compliant
- Support SNMP v1/v2c/v3, RMON, and Syslog for network monitoring
- Compliant with Switch Management of Vigor Router

Improving Performance by QoS

Internet

VLAN 1   VLAN 2

Vigor Router

VLAN 1   VLAN 2

VLAN 2   VLAN 1

VLAN 1 has higher priority than VLAN 2.
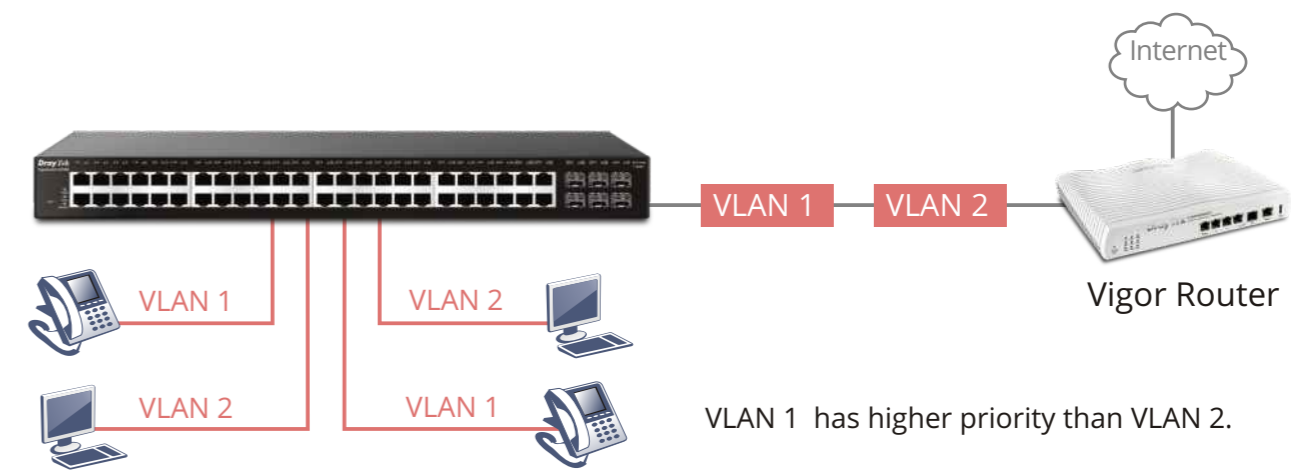
VigorSwitch G2280x/P2280x
L2+ Managed Switch

- 24 Gigabit capable ports & 4 10G SFP+ ports
- 24 Gigabit PoE+ capable ports with PoE power budget uo to 400 watts (P2280x)
- VLAN configuration based on 802.1q tag, MAC address, and protocol
- Auto Voice VLAN and Auto Surveillance VLAN to optimize call and video quality
- Secure Local Network by 802.1x Port Security, ACL, IP Source Guard and DHCP Snooping
- Support IPv6 with MLD Snooping, IPv6 ACL, and IPv6 DNS Resolver
- Authentication by local database, multiple RADIUS, and TACACS+ servers
- IEEE 802.3az (Energy-Efficient Ethernet) Compliant
- Support SNMP v1/v2c/v3, RMON, and Syslog for network monitoring
- Compliant with Switch Management of Vigor Router

Link Aggregation

IP Camera

IP Phone

LACP

20G Speed

NAS

10G Speed
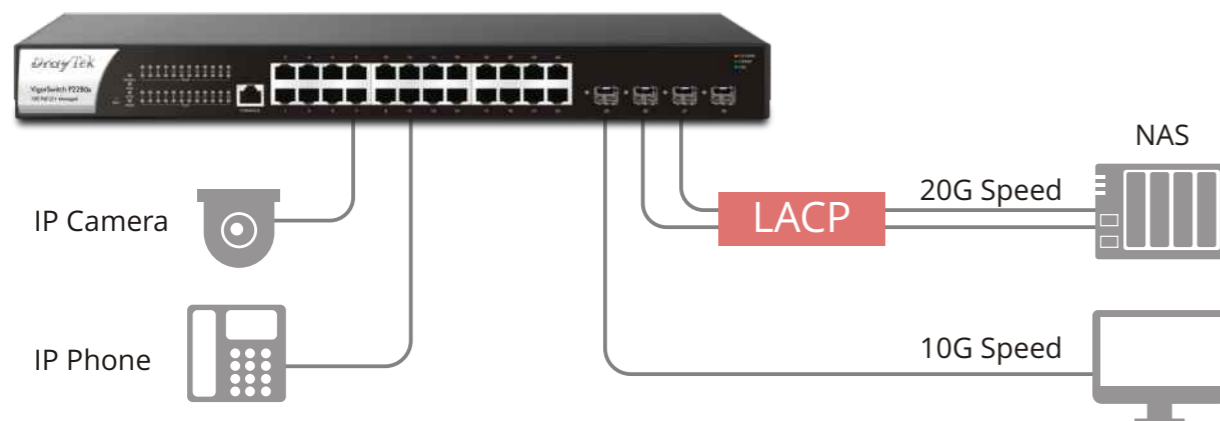
Multi-site Secure Communication

VigorACS 2
Centralized Management System

- Supports TR-069 standard to manage Vigor routers and APs
- CPE Provisioning
- Real-time Status Monitoring
- Advanced Firmware Management
- VPN Wizard for easy configuration of VPN tunnels
- AP & Wireless Management
- Log Recording and Report
- Designed with RWD to fit various size of screens

DrayTek
VigorACS 2
TR-069 Auto-Configuration Server (ACS)
for Vigor series products

License Key

Centralised Management System
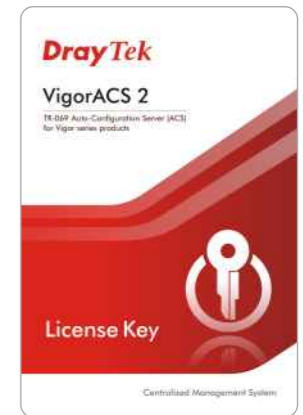
Cross-browser Support	Feature					
	Google maps	Alarm system	VPN drag and drop	Data reports	Login devices	Config Backup

Rich Solution

VigorBX 2000
IPPBX Firewall Router

- Integrated multimode ADSL2+/VDSL2 modem
- Gigabit Ethernet WAN for load-balancing/fail-over connectivity
- 6 x Gigabit Ethernet LAN for network virtualization
- Dual USB 2.0 for 4G LTE Dongles and file sharing
- 32 VPN Tunnels (including 16 SSL VPN tunnels)

Accessories

WCF License
Real-Time Dynamic Web Content Classification Service

- Zero-Hour Security for identifying outbreaks on their way to users, instead of reacting to their pain.
- Innovative Data Cloud Technology for overcoming local storage limitations and satisfying customers' specific needs.

DAC-CX10
10G SFP+ Cable

- Support for multi-gigabit data rates up to10Gb/s
- Data rates backward compatible to 1Gb/s
- Hot Pluggable SFP+

DrayTek Rack-mount Plate

The metal rack-mount plate is designed for sustaining the device of Vigor2862/Vigor2926 series inside the 19-inch cabinet.

USB Thermometer   Temperature Sensor for DrayTek routers

- Direct router/AP connection
- Outer sensor included (1M)
- Data is displayed in °F or °C
- Informative Web Interface
- Alarm Max/Min Thresholds
- Continuous Reporting to syslog
- Email & SMS Reporting on threshold breach
- RoHS Compliant

Antenna Series

		ANT-1207	ANT-2520
Description		2.4GHz/5GHz Indoor Omni-Directional Antenna	2.4GHz/5GHz Indoor Directional Patch Antenna
Environment		Indoor	Indoor
Frequency Range		2400~2500 MHZ 5150~5850 MHz	2400~2500 MHz 5150~5875 MHz
Peak Gain	@ 2.4GHz @ 5GHz	5 dBi 7 dBi	7.5 dBi 10 dBi
VSWR	@ 2.4GHz @ 5GHz	< 2.0 < 3.0	≦2. 0
Polarization		Linear	Vertical, Linear
HPBW/Horizontal	@ 2.4GHz @ 5GHz	360°	70° 60°
HPBW/Vertical	@ 2.4GHz @ 5GHz	80°	60° 30°
Power Handling		5W	2W
Impedance		50 Ω	50 Ω
Connector		PR SMA Plug	PR SMA Plug

Broadband Router

		Vigor2133 series				Vigor2915 series		Vigor2926 series				Vigor2952 series		Vigor2960	Vigor300B	Vigor3220 series		Vigor3900
		2133	2133n	2133ac	2133Vac	2915	2915ac	2926	2926n	2926ac	2926Vac	2952/P	2952n/Pn	2960	300B	3220	3220n	3900
WAN	Fixed WAN Port	1 x GbE				1 x GbE		1 x GbE				1 x GbE + 1 x GbE/SFP Combo		2 x GbE	4 x GbE	4 x GbE		4 x GbE + 1 x SFP
	WAN/LAN Switchable Port					1 x GbE		1 x GbE										
LAN	Fixed LAN Port	4 x GbE				3 x GbE		4 x GbE				4 x GbE		4 x GbE	2 x GbE	1 x GbE		2 x GbE + 1 x SFP
	LAN Subnet	4				4		8				8		20	4	8		50
	DMZ Port							1				1			2	1		1
	USB Port	2				1		2				2		2	2	2		2
	NAT Sessions	30,000				50,000		50,000				60,000		80,000	100,000	100,000		120,000
WLAN	Standard		11b/g/n	11a/b/g/n/ac			11a/b/g/n/ac		11b/g/n	11a/b/g/n/ ac wave 2			11b/g/n				11b/g/n	
	2.4GHz		●	●			●		●	●			●				●	
	5GHz			●			●			●			●					
	MIMO		2 x 2	2 x 2			2 x 2		2 x 2	4 x 4			2 x 2				2 x 2	
	Antennas (Detachable)		2	2			2		2	4			2				2	
VPN	Concurrent VPN Tunnels	2				16		50				200		200		200		500
	Max. Concurrent SSL VPN	2				8		25				50		50		50		100
Routing	Static Route	●				●		●				●		●	●	●		●
	Policy Route	●				●		●				●		●	●	●		●
	RIP	●				●		●				●		●	●	●		●
	BGP							●				●		●	●	●		●
	OSPF											●		●				●
CSM	APP Enforcement	●				●		●				●		●	●	●		●
	URL & Keywords Filter	●				●		●				●		●	●	●		●
	Web Content Filter	●				●		●				●		●	●	●		●
	DNS Filter	●				●		●				●		●	●	●		●
VoIP	FXS Port				2						2							
	FXO Port										1							

xDSL Router

		Vigor130	Vigor160 series		Vigor2762 series				Vigor2765 series		Vigor2766 series		Vigor2862 series				Vigor2865 series		Vigor2866 series	
		130	165	166	2762	2762n	2762ac	2762Vac	2765	2765ac	2766	2766ac	2862/B	2862n/Bn	2862ac	2862Vac	2865	2865ac	2866	2866ac
WAN	Fixed WAN Port	1 x A/VDSL	1 x A/VDSL/35b	1 x A/VDSL/35b/G.Fast	1 x A/VDSL	1 x A/VDSL	1 x A/VDSL	1 x A/VDSL	1 x A/VDSL/35b	1 x A/VDSL/35b	1 x A/VDSL/35b/G.Fast	1 x A/VDSL/35b/G.Fast	1 x A/VDSL	1 x A/VDSL	1 x A/VDSL	1 x A/VDSL	1 x A/VDSL/35b	1 x A/VDSL/35b	1 x A/VDSL/35b/G.Fast	1 x A/VDSL/35b/G.Fast
	WAN/LAN Switchable Port				1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE	1 x GbE
LAN	Fixed LAN Port	1 x GbE	2 x GbE	2 x GbE	3 x GbE	3 x GbE	3 x GbE	3 x GbE	3 x GbE	3 x GbE	3 x GbE	3 x GbE	4 x GbE	4 x GbE	4 x GbE	4 x GbE	5 x GbE	5 x GbE	5 x GbE	5 x GbE
	LAN Subnet	1	1	1	2	2	2	2	2	2	2	2	8	8	8	8	8	8	8	8
	DMZ Port												1	1	1	1	1	1	1	1
USB Port					2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
NAT Sessions		10,000	10,000	10,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
WLAN	Standard					11b/g/n	11a/b/g/n/ac	11a/b/g/n/ac		11a/b/g/n/ac		11a/b/g/n/ac		11b/g/n	11a/b/g/n/ac wave 2	11a/b/g/n/ac wave 2		11a/b/g/n/ac wave 2		11a/b/g/n/ac wave 2
	2.4GHz					●	●			●		●		●	●			●		●
	5GHz						●			●		●			●			●		●
	MIMO					2 x 2	2 x 2			2 x 2		2 x 2		2 x 2	4 x 4			4 x 4		4 x 4
	Antennas (Detachable)					2	2			2		2		2	4			4		4
VPN	Concurrent VPN Tunnels				2	2	2	2	2	2	2	2	32	32	32	32	32	32	32	32
	Max. Concurrent SSL VPN				2	2	2	2	2	2	2	2	16	16	16	16	16	16	16	16
Routing	Static Route	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Policy Route				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	RIP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	BGP												●	●	●	●	●	●	●	●
	OSPF																			
CSM	APP Enforcement				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	URL & Keywords Filter	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Web Content Filter				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	DNS Filter				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
VoIP	FXS Port							2								2				
	FXO Port															1				

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LTE & Fiber Router

		VigorLTE 200 series		Vigor2620 LTE series		Vigor2862 LTE series			Vigor2865 LTE series		Vigor2866 LTE series		Vigor2926 LTE series			Fiber
		200	200n	2620L	2620Ln	2862L	2862Ln	2862Lac	2865L	2865Lac	2866L	2866Lac	2926L	2926Ln	2926Lac	2133FVac
WAN	Fixed WAN Port	2 x LTE		1 x A/VDSL + 2 x LTE		1 x A/VDSL + 1 x LTE			1 x A/VDSL/35b + 1 x LTE		1 x A/VDSL/35b/G.Fast + 1 x LTE		1 x GbE + 1 x LTE			1 x SFP
	WAN/LAN Switchable Port	1 x GbE		1 x GbE		1 x GbE			1 x GbE		1 x GbE		1 x GbE			
LAN	Fixed LAN Port	1 x GbE		1 x GbE		4 x GbE			5 x GbE		5 x GbE		4 x GbE			4 x GbE
	LAN Subnet	2		2		8			8		8		8			4
	DMZ Port					1			1		1		1			
USB Port						1			1		1		1			2
NAT Sessions		30,000		30,000		50,000			50,000		50,000		50,000			30,000
WLAN	Standard		11b/g/n		11b/g/n		11b/g/n	11a/b/g/n/ ac wave 2		11a/b/g/n/ ac wave 2		11a/b/g/n/ ac wave 2		11b/g/n	11a/b/g/n/ ac wave 2	11a/b/g/n/ac
	2.4GHz		●		●		●	●		●		●		●	●	●
	5GHz							●		●		●			●	●
	MIMO		2 x 2		2 x 2		2 x 2	4 x 4		4 x 4		4 x 4		2 x 2	4 x 4	2 x 2
	Antennas (Detachable)		2 (Hidden)		2 (Hidden)		2	4		4		4		2	4	2
VPN	Concurrent VPN Tunnels	2		2		32			32		32		50			2
	Max. Concurrent SSL VPN	2		2		16			16		16		25			2
Routing	Static Route	●		●		●			●		●		●			●
	Policy Route					●			●		●		●			●
	RIP	●		●		●			●		●		●			●
	BGP					●			●		●		●			
	OSPF															
CSM	APP Enforcement	●		●		●			●		●		●			●
	URL & Keywords Filter	●		●		●			●		●		●			●
	Web Content Filter	●		●		●			●		●		●			●
	DNS Filter					●			●		●		●			●
VoIP	FXS Port															2
	FXO Port															

Feature Matrix

Switch

		Smart Lite		Web Smart		L2 Managed					L2+ Managed	
		VigorSwitch G1080	VigorSwitch P1092	VigorSwitch G1280	VigorSwitch P1280	VigorSwitch P2121	VigorSwitch G2280	VigorSwitch P2280	VigorSwitch G2500	VigorSwitch P2500	VigorSwitch G2280x	VigorSwitch P2280x
Ports	Ethernet	8 x GbE	8 x GbE	24 x GbE	24 x GbE	8 x GbE	24 x GbE	24 x GbE	44 x GbE	44 x GbE	24 x GbE	24 x GbE
	SFP		2						2	2	4 (SFP+)	4 (SFP+)
	SFP/GbE Combo			4	4	4	4	4	4	4		
	Console					●	●	●	●	●	●	●
PoE	Ports		8		24	8		24		44		24
	Power Budget		110		340	140		380		405		400
VLAN	Tag Based	●	●	●	●	●	●	●	●	●	●	●
	Port Isolation	●	●	●	●	●	●	●	●	●	●	●
	Voice VLAN			●	●	●	●	●	●	●	●	●
	MAC-Based					●	●	●	●	●	●	●
	GVRP					●	●	●	●	●	●	●
Security	ACL			●	●	●	●	●	●	●	●	●
	Storm Control	●	●	●	●	●	●	●	●	●	●	●
	IPSG			●	●	●	●	●	●	●	●	●
	802.1x					●	●	●	●	●	●	●
	DHCP Snooping					●	●	●	●	●	●	●
	Loop Protection	●	●	●	●	●	●	●	●	●	●	●
Spanning Tree	STP			●	●	●	●	●	●	●	●	●
	RSTP			●	●	●	●	●	●	●	●	●
	MSTP					●	●	●	●	●	●	●
Multicast	IGMP Snooping	●	●	●	●	●	●	●	●	●	●	●
	MLD Snooping					●	●	●	●	●	●	●
Link Aggregation Group		1	2	8	8	8	8	8	16	16	8	8
SNMP				v1/v2c/v3		v1/v2c/v3			v1/v2c/v3		v1/v2c/v3	
Switch Management				●	●	●	●	●	●	●	●	●

Access Point

		VigorAP 710	VigorAP 810	VigorAP 903	VigorAP 910C	VigorAP 920R series	
		710	810	903	910C	920R	920RPD
Band	2.4GHz	●	●	●	●	●	●
	5GHz			●	●	●	●
WLAN	Wi-Fi Standard	11b/g/n	11b/g/n	11a/b/g/n/ac	11a/b/g/n/ac	11a/b/g/n/ ac wave 2	11a/b/g/n/ ac wave 2
	Antennas	2 Detachable	2 Detachable	2 Detachable	4 (Hidden)	2 Detachable	2 Detachable + 1 Internal
	AirTime Fairness	●	●	●	●	●	●
	Roaming	●	●	●	●	●	●
LAN	Ethernet	1 x FE	5 x FE	5 x GbE	1 x GbE	1 x GbE	2 x GbE
	PoE-PD		●	●	●	●	●
	PoE-PSE						●
Mode	AP	●	●	●	●	●	●
	Universal Repeater	●	●	●	●	●	●
	WDS Bridge/ Repeater	●	●	●	●	●	●
Mounting (Desk/Wall/Ceiling/Pole)		D/W	D/W	D/W	C/W	W/P	W/P
Environment		Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor
USB Port			1	1			
Max. Data Rate		300 Mbps	300 Mbps	400 + 867 Mbps	300 + 867 Mbps	400 + 867 Mbps	400 + 867 Mbps
Built-in RADIUS		●	●	●	●	●	●
Central Management		●	●	●	●	●	●
Stand-alone Operation		●	●	●	●	●	●